

L 9182-66 EWT(1) IJP(c) GG/VW

ACC NR: AP6000117 SOURCE CODE: UR/0058/65/000/008/D054/D054

SOURCE: Ref. zh. Fizika, Abs. 8D439 70

AUTHORS: <sup>44,55</sup>Aynbinder, N. Ye.; <sup>44,55</sup>Bashina, I. N.; <sup>44,55</sup>Grechishkin, V. S.; <sup>44,55</sup>Kozlova, A. N.; Subbotin, G. I. 13

ORG: none

TITLE: Relative intensities of EPR lines in crystals in the case of an effective spin 3/2

CITED SOURCE: Tr. Yestestv.-nauchn. in-ta pri Permsk. un-te, v. 11, no. 2, 1964, 147-151 <sup>44,55</sup>

TOPIC TAGS: <sup>21,44,55</sup>electron paramagnetic resonance, <sup>44,55</sup>EPR spectrum, <sup>21,44,55</sup>transition probability, crystal structure

TRANSLATION: Formulas are given for the calculation of the energy levels and transition probabilities when the directions of the permanent magnetic field coincide with the axes of the crystalline electric field. The energy levels and the transition probabilities are obtained for the ion  $Cr^{3+}$  in  $K_3CoCr(CN)_6$ . The calculation was verified for strong intermediate fields. Good agreement with theory was obtained.

SUB CODE: 20

Cord 1/1 *ndo*

ACCESSION NR: AP4011502

S/0051/64/016/001/0161/0164

AUTHOR: Grechishkin, V.S.; Kyuntsel', I.A.

TITLE: Frequencies of quadrupole resonance in a number of molecular compounds of  $\text{SbCl}_3$  and  $\text{SbBr}_3$

SOURCE: Optika i spektroskopiya, v.16, no.1, 1964, 161-164

TOPIC TAGS: nuclear quadrupole resonance, NQR, organic semiconductor, organic antimony chloride complex, organic antimony bromide complex, antimony chloride, antimony bromide, benzene, benzene derivative, naphthalene

ABSTRACT: Investigation of molecular complexes involving electron (charge) transfer is of interest from many standpoints, including the search for new organic semiconductors. The present work was concerned with investigation of nuclear quadrupole resonance (NQR) in a number of molecular complexes of  $\text{SbCl}_3$  and  $\text{SbBr}_3$  with benzene and its derivatives and with naphthalene. These compounds were investigated earlier by observation of their Raman spectra (P.V.Kurnosova and M.S.Ashkinazi, ZhSKh, 11, 844, 1938; Sh.Sh.Raskin, Opt. i spektr. 1, 516, 1956; Sh.Sh.Raskin, DAN SSSR, 123, 645, 1958). However, observation of NQR allows of obtaining additional information, in particu-

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ACC.NR: AP4011502

lar, data on the number of nonequivalent atoms in the crystal lattice and on the degree of distortion of the  $\text{SbCl}_3$  and  $\text{SbBr}_3$  pyramids in the complex. The measurements were carried out by means of a frequency-modulated superregenerator; the spectrum was displayed on the screen of an oscilloscope and the absorption frequency was measured to within  $\pm 0.01\%$  by means of a heterodyne wavemeter. The temperature dependence of the frequency was determined by the usual procedure (V.S.Grechishkin and G. B.Soyfer, FTT, 4, 2268, 1962). The experimental results obtained at 77°K are tabulated. The tabulated data show that in most complexes of 2:1 composition the NQR lines exhibit multiplet structure (in some cases four absorption lines were detected). The temperature dependences of the NQR frequency of  $\text{Sb}^{123}$  and some of the investigated complexes are given in a figure. A brief discussion and interpretation of the experimental results is given. Orig.art.has: 1 formula, 1 figure and 1 table.

ASSOCIATION: none

SUBMITTED: 08May63

DATE ACQ: 14Feb64

ENCL: 00

SUB CODE: PH,CH

NR REF SOV: 012

OTHER: 008

Card 2/2

GRECHISHKIN, V.S.

Effect of intermolecular reaction on the duration of spin-spin relaxation in molecular crystals. Zhur. strukt. khim. 6 no.1:162-163 Ja-F '65.

(MIRA 18:12)

1. Permskiy gosudarstvennyy universitet. Submitted April 23, 1964.

GRECHISHKIN, V.S.

Effect of the form of structural pyramide in an  $ABC_3$  molecule on the parameters of asymmetry and the quadrupole interaction constant. Zhur. strukt. khim. 6 no.2:209-212 Mr-Apr '65. (MIRA 18:7)

1. Permskiy gosudarstvennyy universitet.

L 61924-65 EWT(1)/EPF(c) P1-4 IJP(c) WW/CG  
ACCESSION NR: AP5014518

UR/0141/65/008/002/0416/0420

AUTHOR: Aynbinder, N. Ye.; Grechishkin, V. S.

TITLE: Energy levels and relative intensities of NQR lines for some integer spins

SOURCE: IVUZ. Radiofizika, v. 8, no. 2, 1965, 416-420

TOPIC TAGS: nuclear quadrupole resonance, line, integer spin, energy level, relative intensity

ABSTRACT: Earlier calculations of the energy levels and relative intensities of quadrupole resonance lines, in the case of integer spin, were carried out only for  $J = 1$ . When  $J \geq 2$ , the quantum-mechanical calculations become very complicated. Since recent data have shown that nuclear quadrupole resonance in  $R^{10}$  ( $J = 3$ ) has great practical significance, the author presents a table of the eigenvalues of the Hamiltonian of the quadrupole interaction in a zero magnetic field. From these eigenvalues it is possible to obtain the eigenvectors and consequently the relative intensities in a straightforward albeit time-consuming method. The formulas presented in the tables are valid for all single crystals and can be used to calculate the asymmetry parameter with the aid of the experimental data, and to identify the absorption lines. The results are also useful for studies involving the Mossbauer

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L 61924-65

ACCESSION NR: AP5014518

effect. Orig. art. has: 1 figure, 1 formula, and 2 tables.

ASSOCIATION: Permskiy gosudarstvennyy universitet (Perm State University)

SUBMITTED: 14May64

ENCL: 00

SUB CODE: *NP*

NR REF SOV: 002

OTHER: 002

Card 2/2 *zlb*

L 21170-65 ENT(m)/ENP(j)/ENP(t)/ENP(b). IJP(c)/AFWL/SSD RH/JD

ACCESSION NR: AP5003045

S/0051/65/018/001/0172/0175

AUTHOR: Grechishkin, V. S.; Gordeyev, A. D.

TITLE: Quadrupole relaxation in complex compounds of <sup>27</sup>antimony trichloride

SOURCE: Optika i spektroskopiya, v. 18, no. 1, 1965, 172-175

TOPIC TAGS: antimony compound, quadrupole relaxation, spin lattice relaxation, relaxation time

ABSTRACT: The authors measured the three relaxation times of quadrupole relaxation ( $T_1$  -- spin-lattice relaxation time,  $T_2$  and  $T_2^*$  -- transverse relaxation times) using the quadrupole spin echo method (M. Emshwiller et al., Phys. Rev. v. 118, 414, 1960). The results are listed in Table I of the enclosure. They show that when intermolecular complexes are formed,  $T_2$  decreases appreciably, thus evidencing an increase in the local magnetic fields on the  $Sb^{123}$  nuclei. On this basis, the authors construct a theory of quadrupole relaxation for spin 7/2, which is the spin of  $Sb^{123}$ . The theory calls for  $T_2$  and  $T_1$  to be of the same order of magnitude, whereas usually  $T_2 \ll T_1$ . It is suggested therefore

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ACCESSION NR: AP5003045

that  $T_2$  in complex compounds of  $SbCl_3$  is determined essentially by the magnetic dipole-dipole interaction between the nuclei. The small value obtained for  $T_1$  is evidence that the quadrupole mechanism is responsible for the spin-lattice relaxation. Orig. art. has: 13 formulas and 1 table.

ASSOCIATION: None

SUBMITTED: 23Mar64

ENCL: 01

SUB CODE: OP, NP

NR REF SOV: 006

OTHER: 004

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L 21170-65  
ACCESSION NR: AP5003045

ENCLOSURE: 01

Table 1. Relaxation times of  $\text{SbCl}_3$  compounds

Substance	Freq. Mc $\left(\frac{1}{2} \rightarrow \frac{3}{2}\right)$	$T_1$ micros.	$T_2$ micros.	T. °K
$\text{SbCl}_3$	37.351	400	—	291
$2\text{SbCl}_3 \cdot \text{C}_{10}\text{H}_8$	35.272	150	1450	292
$\text{SbCl}_3 \cdot \text{C}_6\text{H}_5\text{OC}_2\text{H}_5$	33.842	101	—	292
$2\text{SbCl}_3 \cdot \text{CH}_3(\text{C}_6\text{H}_5)_2$	33.778	100	640	293
$2\text{SbCl}_3 \cdot \text{C}_6\text{H}_6$	35.705	70	480	292

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AYNBINDER, N.Ye.; GRECHISHKIN, V.S.; SUBBOTIN, G.I.

Electron paramagnetic resonance spectra of some charge-transfer  
complexes of biological importance. Opt. i spektr. 18 no.6:1081-  
1083 Je '65. (MIRA 18:12)

L 27213-66 EWP(j)/EWT(m) RM

ACC NR: AP6011582

SOURCE CODE: UR/0051/66/020/003/0532/0534

AUTHOR: Grechishkin, V. S.

ORG: none

TITLE: Investigation of singlet-triplet transitions in some complexes of charge transport by the EPR method

SOURCE: Optika i spektroskopiya, v. 20, no. 3, 1966, 532-534

TOPIC TAGS: electron paramagnetic resonance, temperature dependence, biophysics, single crystal, fine structure

ABSTRACT: The author shows that by plotting the temperature dependence of the integral intensity of an EPR signal it is frequently possible to obtain reliable data on the electron-donor and acceptor properties of molecules of importance to biology. This is borne out by an experimental investigation of the temperature dependence of EPR signals of the complexes studied in an earlier paper (Opt. i spektr. v. 1081, 1965). The complex used was chloranil-paraphenylenediamine (1:1). Two methods of preparing the complex were used, mixing the powdered components and fusing them. In the latter case the strong heating caused an almost five-fold increase in intensity and lead to formation of radicals in the doublet state. Similar behavior was observed in complexes of chloranil-

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UDC: 535.34.538.113:541.49

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indole, chloranil-triptophan, riboflavin-cysteine, riboflavin-triptophan, and antimony trichloride-anthracene, and B<sub>2</sub>-penicillin. The results indicate that thermal activation in the triplet state makes it possible to display the fine structure of the biological single crystals. Experiments at much lower temperatures would be of great interest. Orig. art. has: 2 figures

SUB CODE: 20/ SUBM DATE: 27Sep65/ ORIG REF: 002/ OTH REF: 002

Card

2/2 cc

ACC NR: AP6022076

SOURCE CODE: UR/0141/66/009/003/0507/0512

AUTHOR: Grechishkin, V. S.; Gordeyev, A. D.; Aynbinder, N. Ye.

ORG: Perm' State University (Permskiy gosudarstvennyy universitet)

TITLE: Quadrupole relaxation in a multilevel system [Report at the 12th Conference on Low-Temperature Physics, Kazan', 1965 ]

SOURCE: IVUZ. Radiofizika, v. 9, no. 3, 1966, 507-512

TOPIC TAGS: quadrupole <sup>moment</sup> relaxation, spin relaxation

ABSTRACT: The quadrupole relaxation is studied for a spin of  $J = 7/2$  as this spin provides interesting possibilities for investigating the effect of initial conditions on the speed of relaxation. The method of kinetic equations is used; the operational Laplace method is used for solving the population equations. A relation between relaxation constants is derived; the relaxation process is complex and, in most cases, can be described by three relaxation constants. With small  $\gamma = W_2/W_1$ , the rate of approaching the equilibrium, in a multilevel system, can be controlled by varying the initial conditions (applying several r-f fields simultaneously). With

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UDC: 539.285

ACC NR: AP6022076

$\gamma = 5$ , the position of the second  $90^\circ$ -pulse (zero initial condition for a  $3/2 \leftrightarrow 5/2$  transition) accelerates the attainment of equilibrium between  $1/2 \leftrightarrow 3/2$  levels; with  $\gamma = 0.1$ , even a population inversion is possible. Variation of initial conditions does not affect the value of relaxation constants but substantially changes the value of coefficients before the exponentials; in some cases, this variation results in a rapid approach of population differences to the equilibrium distribution. An experimental verification included a study of nuclear resonance of  $\text{Sb}^{123}$  ( $J = 7/2$ ) in several  $\text{SbCl}_3$ - and  $\text{SbBr}_3$ -based compounds at 77K (M. J. Weber et al., Phys. Rev., 120, 365, 1960). "The authors wish to thank A. N. Osipenko and Ye. M. Shishkin for their help in calculations." Orig. art. has: 7 figures, 12 formulas, and 1 table.

SUB CODE: 20 / SUBM DATE: 08Sep65 / ORIG REF: 001 / OTH REF: 006

Card 2/2

ACC NR: AP7007626

SOURCE CODE: UR/0386/67/005/003/0087/0090

AUTHOR: Grechishkin, V. S.; Aynbinder, N. Ye.

ORG: Perm' State University, Problem Laboratory for Radiospectroscopy (Permskiy gosudarstvennyy universitet problemnaya laboratoriya radiospektroskopii)

TITLE: Two-frequency excitation of quadrupole spin echo

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. Prilozheniye, v. 5, no. 3, 1967, 87-90

TOPIC TAGS: spin echo, quadrupole moment, forbidden transition, transition probability, quantum resonance phenomenon

ABSTRACT: The authors describe a new physical phenomenon, which comes into play when radiofrequency pulses with suitable carrier frequencies excite several transitions simultaneously, for example  $| \pm 1/2 \rangle \rightarrow | \pm 3/2 \rangle$  and  $| \pm 3/2 \rangle \rightarrow | \pm 5/2 \rangle$ . It is shown that under two-frequency excitation, additional echo signals appear, whose positions depend on the magnitude of the electric-field-gradient asymmetry parameter. Such a perturbation induces cascaded spin transfer from the lowest level to the uppermost energy level via the intermediate state ( $| \pm 3/2 \rangle$ ). It is precisely this change in the character of the perturbation operator which leads to the new mechanism of spin-echo signal production. The authors have calculated the instants of time at which the additional echo signals appear, and checked their calculations with experiments on  $\text{SbCl}_3$  and  $\text{BiCl}_3$ . According to calculations, the echo was expected to be observed at  $t = 2\tau$ ,

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ACC NR: AP7007626

$t = 1.7\tau$ , and  $t = 2.7\tau$  ( $\tau$  = time interval between the 90 and 180° pulses). Actually the signals were observed at  $t = 2\tau$  and  $t = 2.7\tau$ . By varying  $\tau$  it was easy to verify that the echo at  $t = 2.7\tau$  was an additional one, which disappeared when the second frequency was turned off. The signal at  $t = 1.7\tau$  is difficult to observe at low spin-spin relaxation times. The observed effect can be used to investigate defects in crystals, since the position of the additional echo depends on the asymmetry. The authors thank V. Pshennikov for taking part in the construction of the two-frequency generator. Orig. art. has: 1 figure and 1 formula.

SUB CODE: 20/ SUBM DATE: 17Sep66/ OTH REF: 002

BRONSHTEYN, Grigoriy Savel'yevich; GRECHISHKIN, Vladimir Uvarovich;  
GLOTOV, G.F., dotsent, retsenzent; SONDAKOV, Ya.A., retsenzent;  
LEVCHUK, G.P., dotsent, red.; KHROMCHENKO, P.I., red.izd-va;  
ROMANOVA, V.V., tekhn.red.

[Plotting geodetic networks for construction surveys] Razbivka  
stroitel'noi geodezicheskoi setki. Moskva, Izd-vo geodes.lit-ry.  
1960. 71 p. (MIRA 14:2)

(Surveying)

BROMSETEYN, G.S.; GRECHISHKIN, V.U.

Using boring units in putting construction survey stakes into  
place. Prom. stroi. 38 no. 12:51-52 '60. (MIRA 13:12)  
(Boring machinery) (Surveying)

GRUCHISHCHINA, A. P.

GRUCHISHCHINA, A. P.: - "Physiological mechanisms of inhibition of the gastric glands".  
L'vov, 1955. L'vov State Medical Inst, Chair of Normal Physiology. (Dissertation  
for the Degree of Candidate of Medical Sciences)

SO: Knizhnaya Letopis', No. 40, 1 Oct 55

GRECHISHKINA, A.P., kand.med.nauk; DOVGAN', Z.V., dotsent (Chernovitsy)

Effect of sympathectomy and of ganglion-blocking agents on estrus reactions of castrated rats. Probl.endok. i gorm. 5 no.4:42-45  
Jl-Ag '59. (MIRA 13:2)

1. Iz kafedry normal'noy fiziologii (zaveduyushchiy - prof. Ya.D. Kirshenblat) Chernovitskogo meditsinskogo instituta (direktor - dotsent M.M. Kovalev).

(SYMPATHECTOMY eff.)

(AUTONOMIC DRUGS pharmacol.)

(ESTRUS physiol.)

(CASTRATION eff.)

**GRECHISHKINA, A.P.; SKLYAROV, Ya.P.**

**Role of the nervous system in the mechanism of inhibitory effect of fat on gastric secretion [with summary in English]. Fiziol. zhur. 45 no.1:91-96 Ja '59. (MIRA 12:2)**

**1. From the department of physiology, Medical Institute, Tchernovitsy, and the department of physiology, Medical Institute, Lvov.**

**(AUTONOMIC NERVOUS SYSTEM, physiol.**

**eff. of autonomic interruption on gastric fat secretion in dogs (Rus))**

**(STOMACH, physiol.**

**same)**

**(FAT, metab.**

**same)**

KIRSHENBLAT, Ya.D.; GRECHISHKINA, A.P. [Hrechyshkina, A.P.]; DOVGAN', Z.V.  
SEMEN, N.P.

Inhibiting neural influences on the function of ovaries. Fiziol.  
zhur. [Ukr.] 7 no.1:54-60 Ja-F '61. (MIRA 14:1)

1. Department of Normal Physiology of the Chernovtsy Medical  
Institute.

(OVARIES)

(NERVOUS SYSTEM, AUTONOMIC)

KIRSHENBLAT, Ya.D.; GRECHISHKINA, A.P. [Hrechyshkina, A.P.]; SERBENYUK, V.N.  
[Serbeniuk, V.M.]; CHIGRINA, Z.G. [Chyhrina, Z.H.]

Effect of the parasympathetic nervous system on the sensitivity of the  
ovaries to hormones. Fiziol. zhur. [Ukr.] 8 no.4:524-531 J1-Ag '62.  
(MIRA 18:4)

1. Kafedra normal'noy fiziologii Chernovitskogo meditsinskogo  
instituta.



L 41212-65 EWT(1)/EPF(c)/EEG(t) Pi-4 IJP(c) WH/GG

ACCESSION NR: AR5008414

UR/0058/65/000/001/D034/D034

SOURCE: Ref. zh. Fizika, Abs. 1D259

AUTHOR: Grechishkina, R. V.

TITLE: Transient processes in nuclear magnetic resonance when a superregenerator is used

CITED SOURCE: Yestestv.-nauchn. in-ta pri Permsk. un-te, v. 11, no. 2, 1964, 129-132

TOPIC TAGS: nuclear magnetic resonance, superregenerator, transient process, coherent mode, spin lattice relaxation, spin spin relaxation

TRANSLATION: The system of Bloch equations in reduced form was solved with the aid of an electronic analog computer for the investigation of the transient processes observed when use is made of a superregenerator operating in the linear coherent mode. Some of the obtained oscillograms are included for the u and v components under the following conditions: the detuning varied like  $\Delta\omega(t) =$

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L 41712-65

ACCESSION NR: AR5008414

$= \gamma H_m \sin \omega_m t$ , where the modulation frequency was  $\omega_m = 188$  cps and the amplitude  $\gamma H_m$  assumed values  $2 \times 10^3$ ,  $3 \times 10^3$ , and  $4 \times 10^3$ ; the quenching frequencies were taken to be  $\omega = 7500$ ,  $1000$ ,  $500$ , and  $250$  cps; the pulse amplitude of the radio-frequency field was  $H_1 = 0.005$  and  $0.01$  Oe; the relaxation time was assumed to be  $T_1 = 0.1$  and  $T_2 = 0.01$  or  $0.05$  sec for the spin-lattice and spin-spin relaxation, respectively. The most convenient operating conditions of the superregenerator are discussed. It is concluded that it is advisable to use analog computers for the investigation of the transient processes in a spin system and to select the operating conditions such as to obtain an optimal signal. A. Bondar'.

SUB CODE: NP, EC

ENCL: 00

Card 2/2

L 48811-65 EWT(1)/EWA(h) Pn-4/P1-4/Peb

ACCESSION NR: AP5011892

UR/0120/65/000/002/0178/0178

AUTHOR: Grechishkina, R. V.

TITLE: Use of a tunnel-diode oscillator for locking the frequency of an autodyne in nuclear magnetic resonance

SOURCE: Pribery 1 tekhnika eksperimenta, no. 2, 1965, 178

TOPIC TAGS: NMR, tunnel diode oscillator

ABSTRACT: Frequency locking of an autodyne detector by an external tunnel-diode oscillator was used for enhancing the resolution of an NMR spectrometer and for improving the reproducibility of the line shape. The oscillator frequency was 22 Mc and its output voltage (amplitude) was 140 mv. The G. D. Watkins and R. V. Pound circuit (Phys. Rev., 1951, v. 82, 343) was used for the autodyne detector and the W. Grossman and M. Friedman circuit (Radio-Electronics, 1960, no. 9, 22), for the tunnel-diode oscillator. "In conclusion, the author wishes to thank M. L. Zlatogorskiy for his help in the work." Orig. art. has: 1 figure. [03]

Card 1/2

L 48811-65

ACCESSION NR: AP5011892

ASSOCIATION: 'Permskiy gosudarstvennyy universitet (Perm' State University)

SUBMITTED: 01Feb64

ENOL: 00

SUB CODE: EC

NO REF SOV: 005

OTHER: 003

ATD PRESS: 4003

Card 2/2

NEIFAKH, S.A.; GRECHISHKINA, V.I.

Preparation of glucose 6-phosphate. Biokhimiya '51, 16, 444-448.

(BA-BIII Je '53:831)

(MLRA 4:10)

GRECHISHKINA, Z. A.

GRECHISHKINA, Z. A.

"Raising the Quality of Hydrotechnical Concrete on Fine-Grain Sands With an Aqueous Extract of Soapwort." (degree not given), Tech Sci, Tashkent Inst of Engineers of Irrigation and Mechanization of Agriculture. Tashkent, 1954. (RZhKhim, No 22, Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No.521, 2 Jun 55

15(0)

SOV/112-58-3-3800

Translation from: Referativnyy zhurnal. Elektrotehnika, 1958, Nr 3, p 41 (USSR)

AUTHOR: Grechishkina, Z. A., and Shipilov, A. P.

TITLE: Some Results of Survey of the Condition of Concrete Structures at the Golodnya-Steppe Irrigation System (Nekotoryye rezul'taty obsledovaniya sostoyaniya betonnykh sooruzheniy na orositel'nykh sistemakh Golodnoy stepi)

PERIODICAL: Tr. Sredneaz. n.-i. in-ta irrigatsii, 1957, Nr 85, pp 3-10

ABSTRACT: The principal structures of the initial projects at the Golodnaya-Steppe irrigation system (1912-1915) were made from concretes prepared on the basis of a low-grade Vol'sk-plant portland cement. Thin-walled, densely reinforced structural members were packed with concrete that had a composition 1:2.3:4.2 (by weight) with 300 kg/m<sup>3</sup> of cement; loosely reinforced or non-reinforced structures were made of concrete 1:3.5:9.8 with 160 kg/m<sup>3</sup> of cement and with a W/C equal to 0.42-0.45 and 0.48-0.50 respectively. The structures are situated in a saline-soil area where the degree of ground-water

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15(0)

SOV/112-58-3-3800

Some Results of Survey of the Condition of Concrete Structures at the . . . .

mineralization considerably exceeds that permissible for a hydro-structure-type concrete. To find out the condition of the structures after a 40-odd-year operation period, a survey of the principal structures of Kirov canal, Pravaya branch, and others was organized; the survey has shown that the irrigation-channel structures did not suffer from aggressive water while the collector-drainage structures did suffer destruction. Therefore, a concrete with any cement is applicable in the first case, while in the second case only sulfate-resisting pozzolan or slag-and-portland cements should be used. Under some particularly unfavorable conditions, hydro insulating measures should be taken. Data is presented on mineralization of ground waters and collector waters, as well as the data on chemical composition of clinkers produced by the Vol'sk and other cement plants.

N.M.S.

Card 2/2



*Grechishkina, Z.A.*  
USSR/Chemical Technology - Chemical Products and Their  
Application. Ceramics. Glass. Binders, Concrete.

H-7

Abs Jour : Referat Zhur - Khimiya, No 1, 1958, 2095

Author : Grechishkina Z.A.

Inst : Central Asian Scientific Research Institute of Irrigation

Title : Enhancement of the Quality of Hydraulic Concrete Made with  
Finely Granulated Sand by Incorporation of Surface Active  
Agents.

Orig Pub : Tr. Sredneaz. n.-i. in-ta irrigatsii, 1957, No 85, 19-26

Abstract : No abstract.

Card 1/1

POROSHIN, K.T.; SHIBNEV, V.A.; GRECHISHKO, V.S.

Synthesis of carbocyclohexyloxyamino acids. Izv. AN SSSR. Ser. khim.  
no. 7: 1294-1295 '65. (MIRA 18:7)

1. Institut biologicheskoy fiziki AN SSSR i Institut khimii AN  
TadzhSSR.

GRECHISHENIKOV, A.G., uchitel'

Planning lessons in biology for schools for young workers.  
Biol.v shkole no.2:40-44 Mr-Apr '60. (MIRA 13:8)

1. Srednyaya shkola rabochey molodezhi pri Skopinskom mashzavode  
Ryazanskoy oblasti.  
(Biology--Study and teaching)

GRECHISHNIKOV, A.T.

~~Cretaceous siliceous "marls" in Amvrosiyevka District on the southern~~  
border of the Donets Basin. Geol. zhur. 17 no.2:60-64 '57.  
(Donets Basin--Marl) (MLRA 10:11)

GRECHISHNIKOV, A.T. [Hrechyshnykov, A.T.]

Lithology of mixed clay-siliceous-lime rocks. Geol. zhur. 20  
no. 4:68-74 '60. (MIRA 14:4)  
(Rocks, Sedimentary)

GRECHISHNIKOV, A.T. [Hrechyshnykov, A.T.]

Method for granulometric determination of building sands. Geo.zhur.  
23 no.1:93-94 '63. (MIRA 16:4)

1. Khar'kovskaya kompleksnaya geologorazvedochnaya ekspeditsiya  
tresta "Dneprogeologiya".  
(Particle size determination) (Sand and gravel industry)

NOMOKONOV, V.P.; GRECHISHNIKOV, G.A.

High-frequency seismic station on the basis of a serial SS-241I  
station. Razved. i prom. geofiz. no.48:45-47 '63 (MIRA 18:1)

L 147136-66 EWT(1)/EWT(m)/EWP(1)/T RM/GW/GD

ACC NR: AT6031370

SOURCE CODE: UR/0000/66/000/000/0051/0058

AUTHOR: Grechishnikov, G. A.; Nomokonov, V. P.; Sharov, V. I.

16  
B+1

ORG: none

TITLE: Characteristics of seismic waves refracted on curvilinear interfaces

SOURCE: AN SSSR. Institut fiziki Zemli. Geoakustika; ispol'zovaniye zvuka i ul'tra-zvuka v seysmologii, seysmorazvedke i gornom dele (Geoacoustics; the use of sound and ultrasound in seismology, seismic prospecting, and mining). Moscow, Izd-vo Nauka, 1966, 51-58

TOPIC TAGS: seismic wave refraction, cruvilinear interface, seismic wave model, refracted wave, travel time curve

ABSTRACT: A seismic-wave modeling experiment is described in which the physical nature and characteristics of waves refracted on the curvilinear surface of a homogeneous basement of infinite thickness are studied. The modeling was carried out on an installation consisting of pulse seismoscope, piezoelectric transducers, and photographic attachments. The seismoscope was specially designed in the Moscow Geological Prospecting Institute imeni S. Ordzhonikidze. The 10 x 10-mm transducers consisted of Rochelle salt plates treated with MBK-1 compound. The media models were made of plexiglass and duralum sheets having thicknesses of 3 and 1.5 mm. The plexiglass /s simulated the overburden, while the duralum simulated the lower refracting medium.

Card 1/2



L 47126-66

ACC NR: AT6031370

Longitudinal wave velocities were 2300 m/sec ( $\lambda_0 = 4.6$  cm) in the plexiglass and 5200 m/sec ( $\lambda_1 = 10.4$  cm) in the duralum. The experiments showed that the first arrivals above and beyond the sectors with the curvilinear refracting boundary were those of refracted-diffracted waves and not head waves. In previous model experiments of this type it had been assumed that the waves recorded on the surface were head waves arising as a result of the propagation of the refracted wave along the curvilinear surface. Interpretation of the travel-time curves of the first arrivals recorded in the sectors with a curvilinear refracting boundary by means of existing methods invariably results in errors because of the formation of travel-time curve loops and penetration into the refracting medium. The amplitude curves of the refracted waves in the case of a curvilinear refracting boundary are characterized by a high degree of dissection. Amplitude variations are caused by interference waves arriving from various sectors of the boundary and by the energy distribution along the refracted-diffracted wave fronts. Orig. art. has: 6 figures. [DM]

SUB CODE: 08/ SUBM DATE: 28Mar66/ ORIG REF: 008/ ATD PRESS: 5088

Card 2/2 afs

L 47135-66 EWT(1)/EWT(m)/EWP(j)/T IJP(c) GD/RM/GW

ACC NR: AT6031371

SOURCE CODE: UR/0000/66/000/000/0062/0064

AUTHOR: Gil'bershteyn, P. G.; Grechishnikov, G. A.; Nomokonov, V. P.

36  
B+1

ORG: none

TITLE: Construction of wide-band transducers for seismic modeling

SOURCE: AN SSSR. Institut fiziki Zemli. Geoakustika; ispol'zovaniye zvuka i ul'tra-zvuka v seysmologii, seysmorazvedke i gornom dele (Geoacoustics; the use of sound and ultrasound in seismology, seismic prospecting, and mining). Moscow, Izd-vo Nauka, 1966, 62-64

TOPIC TAGS: acoustic detector, acoustic receiver, seismic modeling, seismology, wide band transducer

ABSTRACT: A new type wide-band receiver to be used in seismic modeling is described. It consists of Rochelle salt plates of different thickness and height, each with its own natural frequency, which form a receiver with wider band-frequency characteristics when stacked together. The damping of natural frequencies was accomplished by covering the stack with a 1-2-mm thick layer of transparent epoxy resin. The receiver, shown in Fig. 1, requires no clamp, as the contact is established by a thin layer of vaseline. A pulse transmitted through a brass sheet consisted of a single vibration with an apparent frequency of 100 kcps and a pulse duration of 16  $\mu$ sec. Compared to the older-type receivers, the total pulse duration of the new

Card 1/2

U 4713E-66

ACC NR: AT6031371

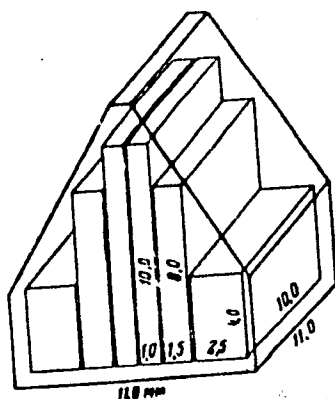


Fig. 1. Sketch of the new receiver (dimensions are given in mm).

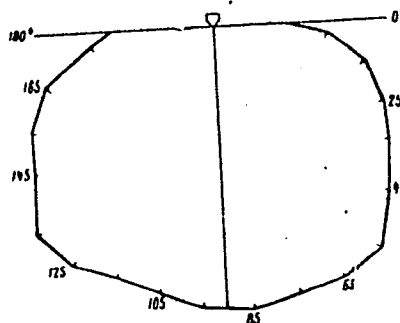


Fig. 2. Direction pattern of the new receiver.

detector at the same apparent period was shortened by 50%, and the resolution was improved accordingly. Use of a filter with a cutoff frequency above 80 kcps decreased the apparent frequency to 70 kcps without changing the shape of the signal. Fig. 2 shows the direction pattern of the receiver. Orig. art. has: 3 figures. [CS]

SUB CODE: 08 / SUBM DATE: 28Mar66/ ATD PRESS: 5088

Card 2/2 a: s

GRECHISHNIKOV, G.A.; NOMOKONOV, V.P.

Characteristics of the refracted waves originating in a medium containing vertical beds according to the data of modeling. Izv. vys.ucheb.zav.; geol. i razv. 8 no.2:116-122 F '65. (MIRA 18:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut geofizicheskikh metodov razvedki i Moskovskiy geologorazvedochnyy institut im. S. Ordzhonikidze.

USSR/Plant Physiology. Growth and Development

Sbs Jour : Ref Zhur - Biol., No 19, 1958, No 86681

Author : Grachishnikov I.P.

Inst : Moscow Agricultural Academy imeni Timiryazev

Title : On the Problem of the Photoperiodism of Grape

Orig Pub : Dokl. Mosk. S-Kh Akad. im. Timiryazeva, No 28, 316-326, 1957

Abstract : Under conditions of Moskovskaya Oblast there was investigated the effect of 8-, 10-, 12- and 14-hour days (within one month) on the growth and maturation of runners, hydrocarbon content in runners and roots, and the after-effect and resistance to cold, in the seedlings and adult plants of two varieties of grape - Alpha and Madlen Angevin. The plants under investigation had runners that grew and matured earlier, and in the autumn they accumulated earlier in their roots and runners the various hydrocarbons, especially starch. Their resistance to cold increased. The photoperiodic after-effect manifested itself in the intensification of growth

Card : 1/2

GRMCHISHNIKOV, I.P., aspirant.

Reaction of the grape plants to light conditions in Moscow Province  
[with summary in French]. Izv. TSKhA no.1(20):141-146 '58.  
(Moscow Province--Grapes) (MIRA 11:4)

GRIZHENIKOV, V. I.

GRIZHENIKOV, V. I. - "The Geological Structure of the Leningrad Region and a Comparison of Coal Basins between Leningrad and Volynia." Min Higher Education USSR. Moscow Geological Prospecting Institute S. Grizhenikidze. Moscow, 1955. (Dissertation for the Degree of Candidate of Geologicomineralogical Sciences)

So; Izvestiya Leningradskogo gos. univ., No 3, 1956

GHECHISHVILY, N. F.

1950. CONNECTION BETWEEN SUDDEN EJECTIONS IN OAL FILMS AND THERMOGRAPHIC

4

... along the dip and the strike of the bed. The ...  
... filled with finely ground coal or foreign materials, which have a  
... and cause the formation of ...  
... relevant to the ...



GRECHISHNIKOV, N.P.

Oxidation zone in the northern section of the Saksagan region of the Krivoy Rog Basin. Izv.AN SSSR. Ser.geol. 21 no.7:85-89 J1 '56.

(MIRA 9:10)

1. Ministerstvo geologii i okhrany neдр SSSR, Glavgeolrazvedka,  
Korovskaya ekspeditsiya, gorod Krivoy Rog.  
(Saksagan Valley--Iron ores)

GRECHISHNIKOV, N.P.

Geological structure of the Kemerovo area and correlation of the  
Kemerovo and Volkov coal beds. Izv. vys. ucheb. zav.; geol. i  
razv. 1 no. 7:131-132 '58. (MIRA 12:8)  
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GRECHISHNIKOV, N.P.

Coal petrographic methods for determining the composition and  
properties of coal. Trudy MGRI 33:126-132 '58.

(MIRA 12:12)

(Coal geology)

GRECHISHNIKOV, N.P.

Remarks on V.I.Skok's article "Determination of the industrial  
properties of Kuznetsk coking coals based on core samples."  
Sov.geol. 2 no.12:129-130 D '59. (MIRA, 13:5)

1. Moskovskiy geologorazvedochnyy institut imeni S.Ordzhonikidze.  
(Kuznetsk Basin--Coke)  
(Skok's V.I.)

GRECHISHNIKOV, N.P.

Petrographic studies of core samples in coal prospecting. Trudy MGRI  
38:98-106 '60. (MIRA 14:5)  
(Coal--Analysis) (Core drilling)

YAN CHI [Yang Ch'ih], GRECHISHNIKOV, N.P.

Coal accumulation in China. Izv. vys. ucheb. zav.; geol. i razv.  
3 no.8:3-15 Ag '60. (MIRA 13:10)

1. Moskovskiy geologorazvedochnyy institut im. S. Ordzhonikidze.  
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GRECHISHNIKOV, N.P. [Hrechyshnykov, M.P.]; GRECHISHNIKOVA, Z.N. [Hrechyshnykova, Z.N.]

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21 no.3:1631 '61. (MIRA 14:7)  
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PRYANISHNIKOV, V.K.; MUSYAL, S.A.; AMMOISOVA, Ya.M.;  
BORODAVKIN, M.G., red. izd-va; YEPIFANOVA, L.V., tekhn.red.

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graficheskie osobennosti i svoistva uglei. Moskva, Izd-vo  
Akad. nauk SSSR, 1963. 379 p. (MIRA 16:1)  
(Coal)



GRECHISHNIKOV, Nikolay Pavlovich; BURTSEV, D.N., retsenzent;  
AMMOISOV, I.I., doktor geol.-miner. nauk, prof., otv. red.

[Methods of studying the material composition of solid fuel  
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GRECHISHNIKOV, N.P.; KALYAYEV, G.I.; KARSHENBAUM, A.P.;  
KRAVCHENKO, V.M.; KULISHOV, M.P.; MAKSIMOVICH, V.L.; MEL'NIK,  
Yu.P.; PITADE, A.A.; SKURIDIN, S.A.; STRIGIN, A.I.; FEDORCHENKO,  
V.S.; FOMENKO, V.Yu.

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1. Zamestitel' nachal'nika i predsedatel' obshchestvennogo  
konstruktorskogo byuro Voronezhskoy distantzii signalizatsii  
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(Railroads—Electric equipment)

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TP  
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(VS SOYUZNOYE OBSHCHESTVO PO IASPOSTYANENIU POLITICHESKIM I NAUCHNYM  
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GRECHISHNIKOVA, I.A.

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1. Moskovskiy geologorazvedochnyy institut imeni S. Ordzhonikidze.  
(Altai Mountains--Geology, Stratigraphic)



GRECHISHNIKOVA, I.A.

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Submitted March 2, 1964.

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and ~~ways~~ of formation of substances ~~responsible~~ responsible for the odor of  
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-49-

TYUTYUNNIKOV, B.N., doktor tekhn.nauk; GRECHISHNIKOVA, L.P.

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(MIRA 12:1)

1. Khar'kovskiy politekhnicheskiy institut.  
(Sunflower seed oil) (Essences and essential oils)

TYUTYUNNIKOV, B.N., doktor tekhn. nauk; GRECHISHNIKOVA, L.P., inzh.

Composition of volatile substances causing the odor in hydrogenated  
fats. Masl.-zhir. prom. 24 no. 6:8-12 '58. (MIRA 11:7)

1. Khar'kovskiy politekhnicheskiy institut.  
(Oils and fats, Edible)

TYUTYUNNIKOV, B.N., doktor tekhn. nauk; GRECHISHNIKOVA, L.P., kand.  
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Causes of the slow hydrogenation of rape oil. Masl.-zhir. prom.  
29 no.6:14-16 Je '63. (MIRA 16:7)

1. Khar'kovskiy politekhnicheskii institut imeni V.I. Lenina.  
(Rape oil) (Hydrogenation)

TYUTYUNNIKOV, B.N., prof. (Khar'kov); GRECHISHNIKOVA, L.P., kand.tekhn.nauk  
(Khar'kov); DUBINSKIY, P.B., inzh. (Khar'kov)

Washing of passenger car bodies. Zhel.-dor.transp. 45 no.12:82-83 D  
'63. (MIRA 17:2)

1, GRECHISHNIKOVA, L. V.

2, USSR (600)

4. Pediatrics

7. Protection of the child's health in the Soviet Union. Pediatrics no. 5. '52.

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

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1. GRECHISHNIKOVA, L.
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GRECHISHNIKOVA, L. V.

Rukovodstvo dlya meditsinskogo personala detskikh domov. Sbornik /Manual  
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Collection of articles and instructions for the medical and sanitary personnel of children's homes on the organization of proper training and development of the children, the clinical practice of children's diseases, and the essential prophylactic measures.

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Need for betterment of medical care of children in rural areas.  
Sov. med. 18 no.8:3-7 Ag '54. (MLRA 7:8)

1. Nachal'nik glavnogo upravleniya lechebno-profilakticheskoy  
pomoshchi detyam i materyam Ministerstva zdavookhraneniya SSSR  
(CHILD WELFARE,)  
(PUBLIC HEALTH,  
in Russia, med. care of child. in rural areas, need of  
improvement)

*GRECHISHNIKOVA, L. V.*

GRECHISHNIKOVA, L.V., otvetstvennyy red.; SPERANSKIY, G.N., red.

[Manual for physicians of day nurseries and children's homes]

Rukovodstvo dlya vrachey yasley i domov rebenka. Izd. 4.

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(CHILDREN--CARE AND HYGIENE) (CHILDREN--DISEASES)

EXCERPTA MEDICA Sec 7 Vol 13/6 Pediatrics June 59

1463. THE STATE OF MEDICAL CARE OF CHILDREN AND WAYS OF IMPROVING IT (Russian text) - Grechishnikova L. V. - SOV. ZDRAVOOKHR. 1957, 1 (13-17)

The mortality of children in city hospitals within the first year of life has decreased in 1955 by 4.4% as compared with 1951. Mortality from pneumonia during the same period decreased by 5.2%. The most significant factor responsible for this has been the increase in material welfare of the people, increase in the number of pediatricians, growth in the number of hospital beds for children and extensive introduction of new methods of treatment and diagnosis. Medical care and observation in White Russia are extended to 94.5% of the newly born, visits by nursing personnel are available to 99%, whilst systematic medical supervision in the first year of life is available to 82%. The hospital mortality of children in the first year of life is lower here than in any of the other Soviet republics. During 1955 the number of urban pediatric centres in the whole country increased by 1,020. 453 rural areas, however, still had no pediatrician up to January 1956. Despite the increase in the number of hospital beds (for non-infectious patients) which over the past 4 years amounted to 21.3% in urban and 32.5% in rural areas, the existing number of beds is insufficient to meet the requirements for hospitalization of children. Annual examinations of schoolchildren reveal that 2-3% suffer from rheumatism. Therefore one of the problems facing public health authorities is the development of a network of convalescent homes for rheumatic patients where the children could be sent after leaving hospital. (S)

EXCERPTA MEDICA Sec 17 Vol 5/3 Public Health Mar 59

808. URGENT TASKS (Russian text) - Grechishnikova L. V. - VOPR.  
PEDIAT. 1957, 2/1 (3-7)

Mortality among children is declining from year to year in the USSR. An analysis of the causes of mortality reveals that pneumonia (36.6%) occupies the first place, gastro-intestinal diseases (23.3%) the second place, diseases of newborns (15.9%) the third place, and children's infections (4.8%) the fourth place. The public health services are faced with the following urgent tasks: to ensure the hospitalization of children up to 2 yr. of age suffering from pneumonia, to ensure the early diagnosis and timely hospitalization of cases of diphtheria, and to raise the quality of the prophylactic work of pediatricists.

(S)

GRECHISENIKOVA, I.V.

International Women's Day on March 8. Pediatrics no.3:3-5 Mr '57.  
(MATERNAL AND INFANT WELFARE) (MIRA 10:10)

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State of therapeutic and prophylactic services for children and  
measures for its improvement. Pediatrics no.7:4-9 J1 '57.  
(MATERNAL AND INFANT WELFARE) (MIRA 10:10)



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~~no.10:3-10 0 '57.~~ Mother and child protection in the U.S.S.R. for 40 years. Pediatrics  
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(MATERNAL AND INFANT WELFARE)

GRECHISHNIKOVA, I.V.

Medical and prophylactic care of children and its progress. Sov.  
zdrav. 16 no.1:13-17 Ja '57. (MIRA 10:2)

1. Zamestitel' nachal'nika Glavnoy meditsinskoy inspeksii..  
(CHILD WELFARE  
in Russia, child health serv. progr.)

GRECHISHNIKOVA, L.V.

Training children in nurseries is a responsible task. Pediatrila  
36 no.10:3-8 0'58 (MIRA 11:11)

(CHILD WELFARE  
in Russia (Rus))

PONOMAREVA, P.A.; GRECHISHNIKOVA, L.V.

Soviet-Hungarian Medical Days. Pediatriia 36 no.2:3-11 P '59.

(MIRA 12:4)

(PEDIATRICS

Soviet-Hungarian research (Rus))

GOL'DFEL'D, A.Ya., doktor med. nauk; GINZBURG, Ye.Ya.; DULITSKIY, S.O., prof. [deceased]; IGHATOV, S.I., prof.; KRAVETS, E.M., doktor med. nauk; LEPSKIY, Ye.M., prof. [deceased]; NEBYTOVA-LUK'YANCHIKOVA, M.N., prof.; SPERANSKIY, G.N.; TUR, A.F.; DOMBROVSKAYA, Yu.F., otv. red.; BUBNOVA, M.M., prof.; red.; VLASOV, V.A., prof., red.; GRECHISHNIKOVA, L.V., red.; LEBEDEV, D.D., prof., red.; MASLOV, N.S., red. [deceased]; NOGINA, O.P., kand. med.nauk, red.; NOSOV, S.D., prof., red.; SOKOLOVA-PONOMAREVA, O.D., red.; TERNOVSKIY, S.D., red. [deceased]; KHOKHOL, Ye.N., red.; ZHUKOVSKIY, M.A., starshiy nauchnyy sotr., red.; MAZURIN, A.V., kand. med. nauk, red.; ZAKHAROVA, A.I., tekhn. red.

[Multivolume manual on pediatrics] Mnogotomnoe rukovodstvo po pediatrii. Moskva, Medgiz. Vol.2. 1961. 566 p.

(MIRA 15:8)

1. Chlen-korrespondent Akademii nauk SSSR deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Speranskiy). 2. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Tur, Dombrovskaya, Maslov, Sokolova-Ponomareva). 3. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for Ternovskiy, Khokhol).

(PEDIATRICS)

GRECHISHNIKOVA, L.V.

June 1 is International Day for the Protection of children.

Pediatrics no.6:3-8. '61.

(MIRA 14:8)

(CHILDREN)

GRECHISHNIKOVA, O.K.

USSR/Cultivated Plants - Potatoes, Vegetables, Melons.

M.

Abstr Jour : Rev Zhur - Biol., No 10, 1958, 44098

Author : Vinogradskiy, B.M., Grechishnikova, O.K.

Inst : "

Title : Top Dressing Potatoes.

Orig Pub : Kartofel', 1957, No 3, 21-23

Abstract : In the two-year experiments with top-dressing potatoes made at the Moscow experimental station, a 20% increase in the crop was obtained by spraying with solutions of  $P_6$ , heteroauxine and borax. A 13% increase was obtained by spraying with Bordeaux solution. In both cases there was no change in the percentage of starch. In another experiment spraying potatoes with Bordeaux mixture yielded an increase of 4 tons per hectare. Treatment with Bordeaux mixture in conjunction with  $P_6$  increased the crop by 7 tons with some increase in the percentage of starch.

Card 1/2

GRECHISHNIKOV, N.P. [Hrechyshnykov, M.P.]; GRECHISHNIKOVA, Z.N. [Hrechyshnykova, Z.M.]

Recent data on the geology of the western Ingulets zone. Geol.zhur.  
21 no.3:160-161 '61. (MIRA 14:7)  
(Ingulets Valley—Geology)



GRECHKA / P

NEDZVETSKIY, S.V.; GRECHKA, F.P.; SHPATS, T.A.

Causes of hypercholesterolemia. Vop.med.khim. 4:133-138 '52.  
(MIRA 11:4)

1. Kafedra biokhimii Leningradskogo sanitarno-gigiyenicheskogo  
meditsinskogo instituta.

(CHOLESTEROL METABOLISM) (ACETONEMIA)

KONGNENKO, B., agronom-semenovod, zasluzhennyy agronom UkrSSR; GRECHKA,  
I., starshiy nauchnyy sotrudnik

Let's clear the oats of loose smut. Zashch. rast. ot vred.  
i bol. 10 no.8;18-19 '65. (MIRA 18:11)

1. Ukrainskiy institut rasteniyevodstva, selektsii i genetiki  
imeni V.Ya. Yur'yeva.

GRECHKA, I. V.

Cand Biol Sci - (diss) "Histology of the physiological immunity of several forms of wheat to *Tilletia tritici* (Ejerk) Winter." Khar'kov, 1961. 19 pp; (Ministry of Higher and Secondary Specialist Education Ukrainian SSR, Khar'kov Order of Labor Red Banner State Univ imeni A. M. Gor'kiy); 225 copies; free; (KL, 6-61 sup, 206)

COUNTRY	: USSR	P-5
CATEGORY	:	
ABS. FOUR.	: RZBiol., No. 19, 1958, No. 87660	
AUTHOR	: <u>Grechka, M. I.</u>	
INST.	: Moscow Agricultural Academy Imeni*	
TITLE	: The Influence of Soil-Working Methods on Dynamics of Entomofauna of Wheat in the Central Non-Chernozem Belt.	
ORIG. PUB.	: Dokl. Mosk. s.-kh. akad. im. K.A. Timiryazeva, 1957, No 31, 110-113	
ABSTRACT	: No abstract.	

CARD:

\* K. A. Timiryazev.

~~ORONKA~~, M.I., dots.

Measures for controlling grain flies *Amaurosoma flavipes* and  
*Amaurosoma armilatum* and seed-eating insects. Zashch. rast. ot  
vred. i bol. 3 no.3:38-40 My-Je '58. (MIRA 11:6)

1. Moskovskaya ordena Lenina sel'skokhozyaystvennaya akademiya im.  
K.A. Timiryazeva.

(Grain--Diseases and pests)

GRECHKA, P. V.

USSR/Scientists - Economic geography

Card 1/1 Pub. 45 - 11/15

Authors : Alampiev, P. M.; Belyayev, A. I.; Buyanovskiy, M. S.; Grechka, P. V.;  
Dolgoplov, K. V.; Znamenskiy, M. A.; and Fedorova, E. F.

Title : /Vladimir Ivanovich Lavrov/

Periodical : Izv. AN SSSR. Ser. geog. 5, 86 - 87, Sep - Oct 1954

Abstract : In noting the death of Vladimir Ivanovich Lavrov (1886 - 1954), the life history and work of this outstanding teacher of economic geography is recalled. Lavrov did some research work but he is most noted for his training of young teachers and for his lectures.

Institution: .....

Submitted: .....

GRECHKA, P. V.

Grechka, P. V.

"The development and location of the economy in the regions near  
the Tsimlyanskaya reservoir (economic-geographical characteristics)."  
Min Education RSFSR. Moscow Oblast Pedagogical Inst. Moscow, 1956  
(Dissertation for the degree of Candidate in Geographical Sciences)

Knizhnaya letopis'

No. 25, 1956. Moscow

GRECHKIN, N.A.; SICHEVOY, A.P.; BREZHNEV, L.A.

Redesigning some units of the 120 mill at the Dzerzhinskii Plant.  
Met. i gornorud. prom. no. 2:36 Mr-Ap '64. (MIRA 17:9)



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(MIRA 17:12)

1. Dneprovskiy metallurgicheskiy zavod im. Dzerzhinskogo.

